

## CLAIMS

[1] A compressor, comprising: a compression mechanism (20), in which a discharge port (29) is formed, for compressing fluid; a reed valve (41); and a valve retainer (42) for the reed valve (41), the reed valve (41) and the valve retainer (42) being provided at the  
5 discharge port (29),

wherein at least part of the valve retainer (42) is composed of a shape varying member (50) that varies in shape by external input force so as to change an opening/closing state of the reed valve (41).

10 [2] The compressor of Claim 1,

wherein the valve retainer (42) includes a valve fixing part (42a) for fixing a fixed part (41a) of the reed valve (41) and a curved guiding part (42b) for restricting a valve part (41b) of the reed valve (41) to a lift amount, and

at least part of the guiding part (42b) is composed of the shape varying member  
15 (50) so as to change the lift amount of the valve part (41b) of the reed valve (41).

[3] The compressor of Claim 2,

wherein the shape varying member (50) of the guiding part (42b) changes in warp amount so as to change the curve.

20 [4] The compressor of Claim 1,

wherein the valve retainer (42) includes a valve fixing part (42a) for fixing a fixed part (41a) of the reed valve (41) and a curved guiding part (42b) for restricting a valve part (41b) of the reed valve (41) to a lift amount, and

25 at least part of the valve fixing part (42a) is composed of the shape varying member (50) as to change rigidity of the reed valve (41).

[5] The compressor of Claim 4,

wherein the shape varying member (50) of the valve fixing part (42a) expands or contracts in length so as to change a fixed length of the reed valve (41).

5 [6] The compressor of Claim 1

wherein the shape varying member (50) is formed of a polymer actuator.